



Paxton10 System Capacity and Limitations

Overview

When installing a Paxton10 system it is important to ensure the project is a good fit. Realizing the system's capacity will ensure the site is running as efficiently and effectively as possible.

Access Control

1. Number of doors
 - a. 1,000
2. Number of cameras
 - a. 1,000
3. Number of users
 - a. 50,000 with 10 credentials each
4. Number of tokens
 - a. 500,000
5. Maximum number of readers per controller
 - a. 2
6. Maximum number of readers per door
 - a. 8
 - b. Using 4 controllers to achieve this, via manage hardware the installer can map 8 readers to a single door. For example, when the installer has read in/read out and high/low readers on each side of a door.
7. Number of Paxton10 readers in a single reader port
 - a. Paxton10 readers are 1:1 only (unlike Net2)
8. Number of users simultaneously logged into a system
 - a. Locally: 10
 - b. Remotely: 10
9. Number of events you are able to store in the event a controller goes offline
 - a. 40,000 events
10. Supported Credentials
 - a. Bluetooth, Paxton, MIFARE®, HID™ Prox, EM, FeliCa, NFC and DESFire.
 - b. Please note, iCLASS is NOT supported.
11. How many sites can be added to one Paxton10 system?
 - a. 100

Cameras and Video Controller

12. Number of users able to view live footage
 - a. On a Paxton10 camera
 - i. 10
 - ii. This is the maximum number of connections to view the video between all logged in users.
 - b. On a VDC

- i. 12
 - ii. This is the maximum number of connections to view the video between all logged in users.
- 13. How many concurrent sessions can be using the Paxton10 system?
 - a. 10
- 14. How many concurrent sessions can be running when viewing live video?
 - a. Up to 10 clients can be viewing live video at the same time.
 - b. The 11th viewer requesting video will not be able to view until a free slot is available. Video recordings/ events can only be viewed by one client at a time.
- 15. Number of users able to view archived footage
 - a. On a Paxton10 camera
 - i. 1 at a time (when an additional request is made, the system informs the user if someone else is viewing footage)
 - b. On a VDC
 - i. 10. You can have up to 10 users to simultaneously look at archived video.
- 16. How much storage space can a VDC use?
 - a. 2TB RAID 1 locally (SATA)
 - b. 2TB on a NAS/Share
- 17. How much storage space can a Paxton10 Camera use?
 - a. 128GB Locally
 - b. 256GB Locally for Pro cameras
 - c. When using a NAS drive, there is a 2TB limit.
- 18. How many days of recording can be stored on the 128GB camera?
 - a. This depends upon the environment being recorded.
 - b. For a typical office space environment, based on the default medium setting of 1080p, motion only, at 15FPS, you are likely to get more than 2 weeks
- 19. How many days of recording can be stored on the 256GB camera?
 - a. This depends upon the environment being recorded.
 - b. For a typical office space environment, based on the default medium setting of 1080p, motion only, at 15FPS, you are likely to get more than 4 weeks
- 20. Maximum resolution a 3rd party camera can have with the VDC
 - a. 4K (3840x2160 pixels)
- 21. Video Controller concurrent video processing capability
 - a. 4 x 1080P @20fps
 - b. Or 1 x 4K @20fps

Camera FAQ

- 22. How many streams do Paxton10 cameras support and how are they used?
 - a. Paxton10 cameras support 3 streams. The first stream is high-resolution for full screen view, a low-resolution stream for multi-view and analytics and a QCIF stream for scrubbing.
- 23. Can Paxton10 de-warp 360 fisheye cameras such as Pelco Optera camera?
 - a. No, however Paxton10 does still support the different RTSP streams from fisheye cameras.

Software

- 24. Site map format
 - a. Paxton10 accepts, .jpeg, .jpg, .gif or .png files at up to 4MB in size.
- 25. Are Triggers and Actions server dependent?
 - a. No, they are all stored on every controller as well as the server.
- 26. Is there a limit to the number of Trigger and Action rules?
 - a. No.

PC System requirements

- 27. Paxton10 runs on a web browser (Chrome or Safari), so any device capable of running these browsers should support Paxton10.

Entry

- 28. Number of Panels
 - a. 100
- 29. Number of Monitors
 - a. 1000
- 30. Can Entry work across multiple subnets?
 - a. Yes, however the controller, panel and monitors must be on the same subnet.

Entry FAQ

31. Will my existing Entry panels and monitors work with Paxton10?
 - a. All monitors and panels are compatible with Paxton10. However, Bluetooth functionality is only available in panels purchased after March 2019 (specifically those serial numbers higher than 6353207).
32. Can I use multiple token types with Entry panels on a Paxton10 system?
 - a. Yes, all Paxton10 readers support Bluetooth and a range of token technologies; Paxton, MIFARE®, HID™ Prox, EM, FeliCa, NFC and DESFire.
 - b. Please note, iCLASS is not supported.
33. Can you have an overview camera with Entry on a Paxton10 system?
 - a. Anything configured at the panel or via the Entry configuration utility will work in the same way as any existing Entry system.
34. Is it SIP compatible?
 - a. Anything configured at the panel or via the Entry configuration utility will work in the same way as any existing Entry system.

PaxLock

35. Number of wireless connectors per system
 - a. 3 per controller
36. Maximum number of wireless connectors per controller
 - a. 3 per controller
37. How far can I run from a controller to a wireless connector?
 - a. In this instance RS485 rules apply, so we recommend a max. distance of 328ft.
 - b. Each additional wireless connector can work up to 328ft away from the one before.
38. Wireless coverage from the wireless connector
 - a. We recommend 15m/50ft radius from each wireless connector.
39. Number of PaxLocks per wireless connector
 - a. Up to 10
40. Maximum number of PaxLocks per system
 - a. 1,000

Paxlock FAQ

41. What credentials can I use with the PaxLock?
 - a. Paxton10 PaxLock Pro - Mortise & Latch are Paxton10 readers, meaning they support the same technologies as all other readers in the range: Bluetooth, Paxton, MIFARE®, HID™ Prox, EM, FeliCa, NFC and DESFire.